Appl. No. 09/662,532

Amdt. dated March 30, 2004

Reply to Office Action of Jan. 22, 2004

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

Claim 1 (currently amended): A method of discovery of

devices on a network, which network comprises a plurality of

devices, at least some of which are managed, at least one

unmanaged phone, and a telephone controller, said method

comprising the steps of: establishing an address for each of

the managed devices, the telephone controller, and the or

7 each-said one phone so as to define a plurality of

8 addresses, establishing the a type of each managed device in

the network, determining which of the remaining devices are

10 / phones by accessing the relevant information in the

discovered telephone controller by establishing

correspondence between the or each said one phone and its

address, and using this informationsaid correspondence to

provide a display of the topology of the network including

15 the or each said one phone.

Claim 2 (original): A method as claimed in claim 1 in which

the telephone controller is accessed to obtain information

stored in a memory of the telephone controller.

Claim 3 (original): A method as claimed in claim 1 in which

said addresses comprise MAC addresses.

1 Claim 4 (currently amended): A method as claimed in claim 1

including the further comprising the step of discovering and



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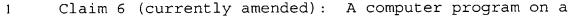


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- displaying the topology <del>of an arrangement</del> wherein a single
- 4 port of a managed device is connected to a phone and a
- further non-phone device.
- Claim 5 (currently amended): A method as claimed in claim 1
- 2 including further comprising the step of converting
- information relating to the devices, the telephone
- 4 controller, and the phones said one phone into a visual
- display on a visual display apparatus representing the a
- 6 physical relationship between among the devices, for the
- telephone controller and the phones said one phone.



- 2 computer readable medium loadable into a digital computer or
- 3 embodied in a carrier wave, said computer program comprising
- 4 software for performing the method of claim 1.
- Claim 7 (currently amended): A computer program on a
- 2 computer readable medium or embodied in a carrier wave for
- 3 use in discovery of devices on a network, which network
- 4 comprises a plurality of devices, at least some of which are
- 5 managed, at least one unmanaged phone, and a telephone
- 6 controller, said computer program comprising:

program step for establishing an address for <del>the or</del>

- 8 each of the managed device devices;
  - program step for establishing an address for the
- 10 telephone controller;

program step for establishing an address for the or

- 12 each—said one phone;
- program step for determining which of the remaining
- devices are phones by accessing the relevant information in
- the discovered-telephone controller and establishing



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- correspondence between the or each said phone each of said

  phones and its address; and

  program step for using this information said

  correspondence to provide a display of the a topology of the

  network including the or each said one phone.

  Claim 8 (original): A program as claimed in claim 7 in
- which the telephone controller is accessed to obtain information stored in a memory of the telephone controller.
- Claim 9 (currently amended): A program as claimed in claim 7 in which said addresses comprise the a MAC address.
- Claim 10 (currently amended): A program as claimed in

  claim 7 including the further comprising the program step of

  discovering and displaying the topology of an arrangement

  wherein a single port of a managed device is connected to an

  Ethernet phone and a further non-phone device.
- Claim 11 (currently amended): A program as claimed in

  claim 7 including the—further comprising the program step of

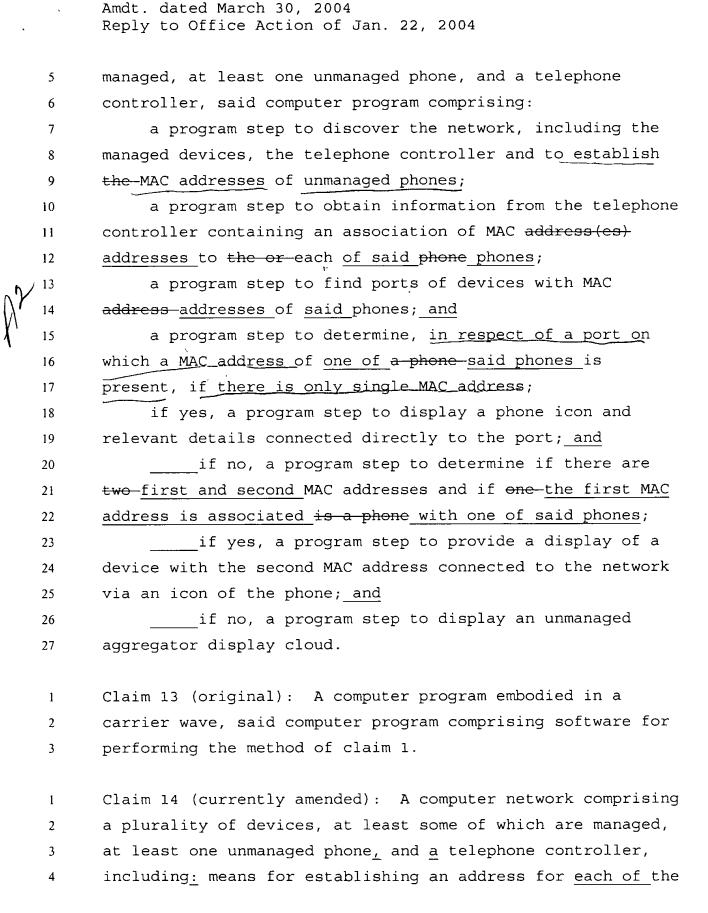
  converting information relating to the devices, the

  telephone controller, and the telephones into a visual

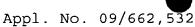
  display on a visual display apparatus representing the—a

  physical relationship between—among the devices, the

  telephone controller and the phones.
- Claim 12 (currently amended): A computer program on a computer readable medium or embodied in a carrier wave for use in discovery of devices on a network, which network comprises a plurality of devices, at least one of which is



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managed devices, the telephone controller and the or each 5 6 said one phone, means for establishing the a type of each managed device in the network, means for determining which 7 of the remaining devices are phones by means for accessing 8 9 the relevant information in the discovered telephone controller by establishing correspondence between  $\frac{1}{2}$ 10 each said one phone and its address, and means for using this information said correspondence to provide a display of the topology of the network including the or each said one phone.

Claim 15 (original): A computer network as claimed in claim 14 in which the telephone controller is accessed to obtain information stored in a memory of the telephone controller.